

L 36444-66
ACC NR: AP6018073

temperature and cooled to room temperature whereupon the contents were analyzed. In the presence of activated carbon, the rate of destructive chlorination was found to be greater than in the absence of activated carbon. The lower the nitrobenzene to chlorine ratio, the greater was the rate of destructive chlorination. The reactivity of various chloronitrobenzenes was found to decrease in order ortho>para>meta.
Orig. art. has: 7 figures.

SUB CODE: 07/ SUBM DATE: 13May65/ ORIG REF: 006/ OTH REF: 007

Card 2/2 415

ZOLESNIKOV, I. M.

YAKOVLEV, M.G.; ZOLESNIKOV, I.M.

Some new data on the distribution and ecology of the Ciscaucasian hamster in Rostov Province. Zool zhur. 33 no.3:693-700
My-Je '54.

(MLRA 7:7)

1. Rostovskiy gosudarstvennyy nauchno-issledovatel'skiy institut
Ministerstva zdravookhraneniya SSSR i Zimovnikovskaya nauchno-
issledovatel'skaya stantsiya Ministerstva zdravookhraneniya SSSR.
(Rostov Province--Hamsters) (Hamsters--Rostov Province)

KLIMCHENKO, I.Z.; KOLESNIKOV, I.M.; KONDRASTEV, V.F.

Mechanical method of controlling the lesser suslik. Trudy probl. i
tem.sov. no.5:48-60 '55. (MIRA 8:12)

1. Rostovskiy protivochumnyy institut
(Susliks)

KOLESHIKOV, I.M.

Migration of saiga to the Sulak-Terek Lowland. Zool.zhur. 38
no.1:137-139 Ja '59. (MIRA 13:4)

1.Rostov-on -Don State Research Anti-Plague Institute.
(Terek Valley--Saiga) (Sulak Valley--Saiga)

MIRONOV, N.P.; KLIMCHENKO, I.Z.; KLESNIKOV, I.M.

"Rodents and their control," nos.5-6. Zool. zhur. 40 no. 2:298-
300 F '61. (MIRA 14:2)

(Rodent control)

PAVLOV, A.N.; VASILENKO, V.S.; KOLESNIKOV, I.M.; MYALKOVSKAYA, S.A.;
POTAPOVA, Ye.A.; UL'IKHINA, N.P.

Present distribution of giant mole rat in northeastern
Ciscaucasia. Zool. zhur. 42 no.5:777-780 '63. (MIRA 16:7)

I. Rostov-on-Don State Research Anti-Plague Institute and
Daghestan Anti-Plague Station.
(Caucasus, Northern—Mole rat)

MIRONOV, N.P., prof.; KARPUZIDI, K.S.; KLIMENKO, I.Z.; KOLESNIKOV,
I.M.; LISITSYN, A.A.; NEL'ZINA, Ye.N.; SHIRANOVICH, P.I.;
SHIRYAYEV, D.T.; YAKOVLEV, M.G.; NIKOLAYEV, I.M., red.

[Sources and carriers of plague and tularemia] Istochniki i
perenoschiki chumy i tularemii. Moskva, Meditsina, 1965.
194 p. (MIRA 18:4)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivo-
chumnyy institut (for all except Nikolayev).

ACC NR: AP6032841

(A, N)

SOURCE CODE: UR/0065/66/000/010/0001/0005

AUTHOR: Kolesnikov, I. M.; Mirgaleev, I. G.; Paushkin, Ya. M.

ORG: MINKh; GP

TITLE: Alkylation of benzene with propylene by means of a silica-alumina catalyst promoted with boron trifluoride

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 10, 1966, 1-5

TOPIC TAGS: alkyl benzene, aromatic hydrocarbon, alkylation, petroleum product

ABSTRACT: Alkylation of benzene with propylene was studied by percolating gaseous propylene (0.5-1.5 mol/l) at 25-75°C for 0-120 min through a glass column (28 mm in diameter and 650 mm high) containing 226 g of catalyst (silica-alumina promoted with 15.5-18.1 wt % BF₃) and 156 g of benzene. The object of the work was to define optimal alkylation conditions. It was found that the yield of the alkylbenzenes was directly proportional to the BF₃ content in the catalyst. It was concluded that the BF₃ was present in two forms: physically absorbed on the silica-alumina surface and as a strong coordination compound with aluminum. Increase in the temperature was found to have a rather slight effect on the yields of both mono- and di-propylbenzenes. The content of di- and poly-propylbenzenes in the reaction product was found to be proportional to the molar ratio of propylene to benzene used. The catalyst activity was found to de-

UDC: 66.095.25:S47.532

Card 1/2

ACC NR: AP6032841

cline with the alkylation duration. This decline in catalyst activity became increasingly pronounced in proportion to the rise in alkylation temperature. The maximum yield of propylbenzene was 98% (based on propylene). Orig. art. has: 4 figures, 5 tables.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001

Card 2/2

ZETKIN, V.I.; PANCHENKOV, G.M.; ZAKHAROV, Ye.V.; KOLESNIKOV, I.M.;
DZHAGATSPANYAN, R.Y.

Chlorination and sulfochlorination of organic compounds in
apparatus with periodical and continuous action. Khim. prom.
41 no.10:733-734 O '65. (MIRA 18:11)

SHATS, S.Ya.; KOLESNIKOV, L.P.; MATSKEVICH, V.I.; GARRIS, O.V.;
YERMAKOV, N.M.; UDALOV, Ye.V.

A semiautomatic production line for manufacturing torsion springs
for railroad cars. Prom.energ., 18 no.1:12 Ja '63.

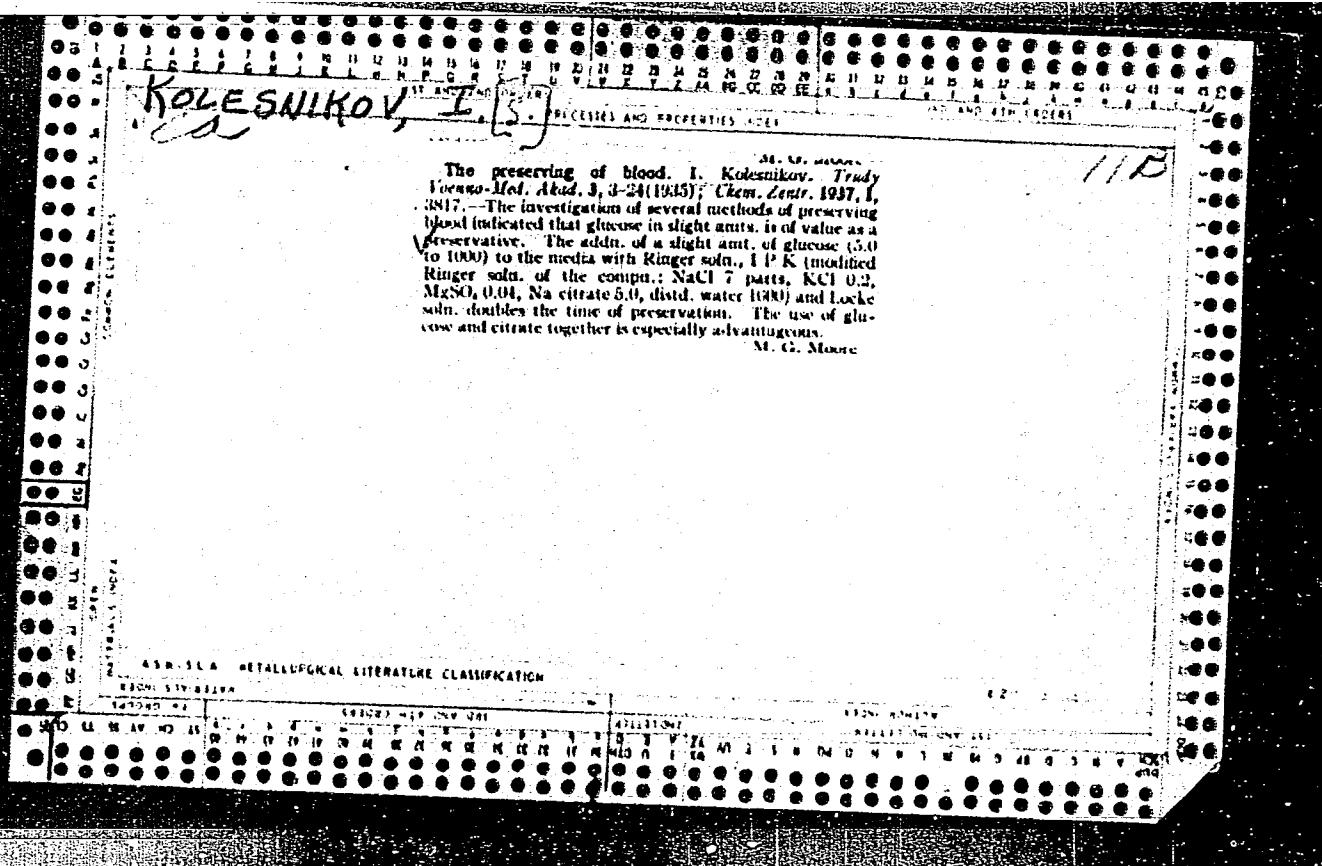
(MIRA 16:4)

(Car springs)

ZETKIN, V.I.; ZHKHAROV, Ye.V.; FISHKIS, M.Ya.; KOLESNIKOV, I.M.

Detection of chloronitrobenzenes. Zhur. anal. Khim. 19 no.11:
1415-1416 '64. (MIRA 18:2)

I. I.M. Gubkin Moscow Institute of Petroleum Chemistry and Gas
Industry.



KOLESNIKOV, I. S.

Kolesnikov, I. S. "Foreign substances of the heart and pericardium," Trudy VI Vsesoyuz. s'yezda det, vrachey, posvyashch. pamyati prof. Filatova, Moscow, 1948, p. 543-47

SO: U-324, 10 April 1953, (Letopis, 'nykh Stately, No. 3, 1949

KOLESHNIKOV, I.S.

Removal of the lung in tuberculosis. Probl. tuberk., Moskva
no.4:49-54 July-Aug 1951 (CIA/L 21:1)

1. Professor. 2. Of Leningrad Tuberculosis Institute (Director
A. D. Semenov).

KOLESNIKOV, I. S. and KUPRIYANOV, P. A.

"Atlas of Fire-arm Wounds," Vol.4 and 5, Medgiz., Vol.5, 1951 and Vol.4,
1952.

KOLESNIKOV, I.S.

Method of pneumonectomy in tuberculosis. Probl. tuberk., Moskva no.3:48-58
May-June 1953. (CIML 25:1)

1. Professor. 2. Of Leningrad Tuberculosis Institute imeni A. Ya. Shternberg (Director -- Candidate Medical Sciences A. D. Semenov).

KOLESNIKOV, I. S.

KOLESNIKOV, I.S., professor (Leningrad)

Method of pneumonectomy. Khirurgiia no.5:24-33 My '54. (MIRA 7:7)

(LUNGS, surgery,

*pneumonectomy, technic)

KOLESNIKOV, I.S., professor

Mechanism of heart constriction in certain forms of pericarditis.
Khirurgia no.10:11-18 0 '54. (MIRA 8:1)

1. Iz voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(PERICARDITIS, complications
heart constriction, mechanism)
(HEART, in various diseases
pericarditis, constriction mechanism)

KOLESNIKOV, I.S. (Leningrad)

"Surgical therapy of closed wounds of the heart, the pericardium
and the mediastinum." N.I. Grigor'ev. Reviewed by I.S.Kolesnikov.
Khirurgija no.10:67-68 O '54. (MLRA 8:1)
(GRIGOR'EV, N.I.) (CHEST--FOREIGN BODIES)

Kolesnikov, I.S.

KOLESNIKOV, I.S., professor.

"Penetrating wounds of the thoracic cavity." V.I.Kolesov.
Reviewed by I.S.Kolesnikov. Vest.khir.76 no.9:145.0 '55.
(CHEST--WOUNDS AND INJURIES) (MLRA 9:1)
(KOLESOV, V.I.)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9

KOLESNIKOV, I. S., and GLUMOV, I. I.

"Stage Therapy of Burns," from the book Theses of the Reports of the Scientific Session of the Military Medical Academy im. S. M. Kirov, Tezisy Dokladov Nauchnoy Sessii, 29 Oct-2 Nov 1956, Leningrad.'

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9"

KOLESNIKOV, I.S., general-major meditsinskoy sluzhby, professor; SHYNNIS,
V.N., polkovnik meditsinskoy sluzhby.

Treatment of burns. Voen-med. zhur. no.2:11-23 F '56

(MLRA 10:5)

(BURNS, therapy,
review) (Rus)

TRANS - M-3, 053, 550

KOLESNIKOV, I.S., professor; KOSTYUCHENOK, B.M.; SHEYNIS, V.N.

Use of hypothermia in the surgical practice. Khirurgija 32 no.4:
65-76 Ap '56.
(MLRA 9:8)

1. Iz Gospital'noy khirurgicheskoy kliniki Voyenno-meditsinskoy
ordena Lenina akademii imeni S.M.Kirova (nach. kafedry-prof.
I.S.Kolesnikov)

(BODY TEMPERATURE,
hypothermia, controlled, in surg. (Rus))

KOLESNIKOV, I.S., professor

Segmental and partial economic resections of the lung in tuberculosis.
Probl.tub. 34 no.3:9-16 My-Je '56. (MLRA 9:11)

1. Izgospital'noy khirurgicheskoy kliniki Vojenno-meditsinskoy ordona
Lenina akademii imeni S.M.Eirova (nach. - prof. I.S.Kolesnikov) i
Nauchno-issledovatel'skogo tuberkuleznogo instituta imeni A.Ya.
Shternberga (dir. - prof. A.D.Semenov)
(TUBERCULOSIS, PULMONARY, surg.
resection, statist. & indic.)

KOLESNIKOV, I.S., professor (Leningrad, pr. Karla Marksa, d.7-a kv. 5);
SHEYNIS, V.H., doktor meditsinskikh nauk (Leningrad, pr. Karla
Marksa, d.7-a kv. 5)

Basic concepts of the treatment of burns abroad. Vest.khir. 77
no.7:111-124 J1 '56. (MLRA 9:10)

1. Iz kafedry gospital'noy khirurgii (nach. - prof. I.S.Kolesnikov)
Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova
(BURNS, ther.
review)

KOLESNIKOV, I.S., prof. (Leningrad, 9, pr. K.Marxka, d.7a, kv.5)

Clinical practice and surgery in lung cancer [with summary in English]. Op.onk. 3 no.4:469-473 '57. (KIRA 10:11).

1. Iz gospital'noy khirurgicheskoy kliniki (nach. - prof. I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

(LUNG NEOPLASMS.
clin. aspects & surg. (Eng))

KOLESNIKOV, I.S.

KOLESNIKOV, I.S., prof. (Leningrad, 9, pr.K.Marksa, d.7a, kv.5); PUTOV, N.V.
doktor med. nauk

Comissurotomy for treating stenosis of the left atrioventricular
orifice. Nov.khir.arkh. no.5:64-70 S-0 '57. (MIRA 10:12)

1. Klinika gospital'noy khirurgii (nachal'nik - prof. I.S.Kolesni-
kov) Vozенно-meditsinskoy akademii im. S.M.Kirova.
(HEART--SURGERY)

KOLESNIKOV, I.S.

KOLESNIKOV, I.S., general-major meditsinskoy sluzhby, professor; VIKHRIYEV,
B.S., kapitan meditsinskoy sluzhby, kand.med.nauk

Napalm burns and their treatment. Voen.-med.zhur. hl.8:3-7 Ag '57.
(MIRA 10:12)

(BURNS, therapy,
napalm burns (Rus))

(WAR,
napalm burns, ther. (Rus))

KOLESNIKOV, I.S., professor

, Surgical treatment of lung cancer. Khirurgiia 33 no.5:66-73 Ky '57.
(MIRA 10:8)

1. Iz gospital'noy khirurgicheskoy kliniki (nach. - prof. I.S.
Kolesnikov) Vojenno-meditsinskoy ordena Lenina akademii imeni
S.M.Kirova

(LUNG NEOPLASMS, surg.
statist. (Eng))

EXCERPTA MEDICA Sec 15 Vol 12/4 Chest Diseases Apr 59

909. LUNG RESECTIONS IN TB (Russian text) - Kolesnikov I.S. - VESTN.
KHIR. 1958, 80/3 (3-10) Tables 3

The experience gained by 1,000 consecutive lung resections is reviewed. The majority of patients had a far advanced fibrocavernous tb. The expectoration of all the patients contained tubercle bacilli. Only those patients who could not be cured by all other methods, collapsotherapy included, were operated upon. Pneumonectomy was carried out in 23.3%, bilobectomy in 4.6%, lobectomy in 30.6%, segmentectomy in 28% and various other resections in 13.5% of patients. Endotracheal potentiated ether-oxygen anaesthesia was used in 950 cases. Fifty patients were operated upon under local anaesthesia. (IX, 15)

KOLESNIKOV, I.S., prof.; STARICHKOV, M.S., kand.med.nauk

Echinococcosis of the anterior mediastinum. Vest.khir. 80 no.3:
130-132 Mr '58.

(MIRA 11:4)

1. Iz gospital'noy khirurgicheskoy kliniki (nach. - prof. I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova. Adres avtorov: Leningrad, 9, ul. Botkina, d.23, gospital'naya khirurgicheskaya kliniki Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.

(MEDIASTINUM, dis.

echinococcosis (Rus))

(ECHINOCOCCOSIS, case reports

mediastinum (Rus))

KOLESNIKOV, I.S., prof.; AR'YEV, T.Ya., prof.

Local treatment of burns. Khirurgia 35 no.7:26-30 Jl '59. (MIRA 12:12)

1. Iz 1-y gospital'noy khirurgicheskoy kliniki (nach. - prof. I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

(BURNS, therapy)

KOLESNIKOV, I.S.; SOKOLOV, S.N.

Prevention of pleural empyema following partial resection of the
lung. Grud. khir. l. no. 2:71-78; Mr-Ap '59. (MIRA 16:?)

1. Iz gospital'noy khirurgicheskoy kliniki Voyenno-meditsinskoy
ordena Lenina akademii imeni Kirova (nachal'nik-general-major
meditsinskoy sluzhby prof. I.S.Kolesnikov) Adres avtora: Lenin-
grad, Botkinskaya ul., d.23; Gospital'naya khirurgicheskaya klini-
ka.
(EMPYEMA) (PLEURA—ABSCESS) (LUNGS—SURGERY)

KOLESNIKOV, Ivan Stepanovich; SOKOLOV, Sergey Nikoleyevich

[Prophylaxis and treatment of empyema after resection of the
lung] Profilaktika i lechenie empia plevry posle rezektsii
legkogo. Leningrad, Medgiz, 1960. 110 p.

(MIRA 14:2)

(LUNGS--SURGERY)

(EMPYEMA)

KOLESHNIKOV, Ivan Stepanovich

[Lung resection; indications, surgical technic, and post-operative care] Resektaiia legkikh; pokazaniia, tekhnika operatsii, posleoperatsionnyi ukhod. Leningrad, Medgiz, 1960.
314 p. (MIRA 13:12)

(LUNGS--SURGERY)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9

Kolesnikov, I. S. (Prof.); Ariyev, T. Ya. (Prof.)--Leningrad

"Burn Shock, Its Prevention and Treatment."

report submitted for the 27 Congress of Surgeons of the USSR, Moscow, 23-28 May 1960.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9"

KOLESNIKOV, I.S., AR'YEV, T.Ya.

Classification of burns. Nov. khir. arkh. no.2:18-24 Mr-Ap '60.

(MIRA 14:11)

1. Kafedra gospital'noy khirurgii I (nachal'nik - prof. I.S.Kolesnikov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(BURNS AND SCALDS--CLASSIFICATION)

KOLESNIKOV, I.S., general-major meditsinskoy sluzhby, prof.; SHILOV, P.I.,
polkovnik meditsinskoy sluzhby, prof.; PILYUSHIN, P.V., mayor
meditsinskoy sluzhby

Current problem in the diet therapy of burns. Voen.-med. zhur. no.8:
32-38 Ag '60. (MIRA 14:7)
(BURNS AND SCALDS) (DIET IN DISEASE)

KOLESNIKOV, I.S.; SOKOLOV, S.N.

Treatment of postoperative empyema of the pleura following pneumonectomy and partial resection of the lungs. Grud. khir.
2 no.1:67-72 Ja-F '60. (MIRA 15:3)

1. Iz gospital'noy khirurgicheskoy kliniki Voyenno-medi-tsinskoy ordena Lenina akademii imeni S.M. Kirova. Adres
avtora: Leningrad, Botkinskaya, 23, Khirurgicheskaya klinika
Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

(EMPYEMA)

(PLEURA--ABSCESS)

(LUNGS--SURGERY)

KOLESNIKOV, I.S.; AR'YEV, T.Ya.

Lesions of the locomotor apparatus in burns and principles of treatment. Ortop., travm. i protez. 21 no.11:3-7 '60.

(BURNS AND SCALDS) (EXTREMITIES (ANATOMY)—WOUNDS AND INJURIES) (MIRA 14:4)

KOLESNIKOV, I.S.; SHEYNIS, V.N.; VIKHRIYEV, B.S.; FILATOV, V.I.

Organization of work in a specialized department for the treatment
of burns. Vest. khir. 84 no. 4:128-134 Ap '60. (MIRA 14:1)
(BURNS AND SCALDS)

KOLESNIKOV, I.S.; AR'YEV,T.Ya.

Various controversial questions in the current treatment of burns.
Vest.Khir. 84 no.6:48-53 Je '60. (MIRA 13:12)
(BURNS AND SCALDS)

KOLESNIKOV, I. S.; SOKOLOV, S. N.; MEZHEVIKIN, N. I.

Basic variations in the segmental arteries of the upper lobe of the right lung as applied to segmentectomies. Grud. khir. no.4:61-65 '61. (MIRA 14:12)

1. Iz kafedry gospital'noy khirurgii (nach. - chlen-korrespondent AMN SSSR prof. A. N. Maksimenkov) Vojenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova.

(PULMONARY ARTERY--SURGERY) (LUNGS--BLOOD SUPPLY)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9

KOLESNIKOV, I.S., general-major meditsinskoy sluzhby, prof.; PUTOV, N.V.,
podpolkovnik meditsinskoy sluzhby, doktor med.nauk

Some problem in the treatment of gunshot wounds. Voen.-med. zhur.
no.6:18-22 Je '61. (MIRA 14:8)
(GUNSHOT WOUNDS)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9"

KOLESNIKOV, I.S.; SOKOLOV, S.N.; MEZHEVIKIN, N.I.

Basic variants of the veins in the superior lobe of the right lung
and some problems in segmental resections of the lung in connection
with disorders of the venous outflow. Grud.khir. 3 no.6:62-69
(MIRA 15:3)
N-D '61.

1. Iz kafedry gospital'noy khirurgii Voyennno-morskoy ordena Lenina
akademii (VMOLA) imeni S.M. Kirova (nach. - prof. I.S. Kolesnikov)
i kafedry operativnoy khirurgii Voyennno-morskoy ordena Lenina
akademii imeni S.M. Kirova (nach. - chlen-korrespondent AMN SSSR
prof. A.N. Maksimenko). (PULMONARY VEIN)
(LUNGS—SURGERY)

KOLESNIKOV, Ivan Stepanovich; VIKHRIYEV, Boris Sergeyevich;
PISAREVSKIY, A.A., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Surgical treatment of deep thermal burns] Operativnoe leche-
nie glubokikh termicheskikh ozhogov. Moskva, Medgiz, 1962. 177 p.
(MIRA 15:6)

(BURNS AND SCALDS) (SKIN--GRAFTING)

RYVLIN, Ya.B., prof.; KOLODNER, I.B., dots.; LEVIN, O.A., prof., polkovnik med. sluzhby [deceased]; KUPRIYANOV, P.A., general-leytenant med. sluzhby, red.; KOLESNIKOV, I.S., polkovnik med. sluzhby, prof., red.; RUKHIMOVICH, G.S., ved. red.; SHEVCHENKO, F.Ya., tekhn. red.; SHCHADENKO, A.S., tekhn. red.

[Atlas of gunshot wounds] Atlas ognestrel'nykh ranenii. Pod red. P.A.Kupriyanova, I.S.Kolesnikova. Leningrad, Medgiz. Vol.6. [Gunshot wounds of the extremities; wounds of the shoulder, forearm, hip, and leg] Ognestrel'nye ranenija konechnostei; ranenija plecha, predplech'ia, bedra i goleni. 1954. 215 p. Vol.9. [Anaerobic infections following gunshot wounds] Anaerotnaja infektsiya posle ognestrel'nykh ranenii. 1953. 259 p. (MIRA 16:6)

1. Russia (1923- U.S.S.R.)Glavnoye voyenno-meditsinskoye upravleniye Vooruzhennykh Sil. 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Kupriyanov).
(EXTREMITIES (ANATOMY))—WOUNDS AND INJURIES
(GUNSHOT WOUNDS) (GAS GANGRENE)

KOLESNIKOV, I.S.; PUTOV, N.V.; GORELOV, F.I.; YAKUBOVSKIY, F.I.

Surgical treatment of the focal form of lymphogranulomatosis
of the lungs and mediastinum. Grud.khir. 5 no.1:87-92 Ja-F'63.
(MIRA 16:7)

1. Iz kliniki gospital'noy khirurgii (Nachal'nik-prof. I.S.
Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii imeni
S.M. Kirova.
(CANCER) (HODGKIN'S DISEASE)
(MEDIASTINUM-CANCER)

KOLESNIKOV, I.S., prof.; PUTOV, N.V., prof.; YERMOLAYEV, V.R., kand.med.nauk; SOKOLOV, S.N., kand.med.nauk

Acute blood circulation disorders in the residual lung part following pectoral resections. Vest.khir.90 no.2:128-135 F'63.
(MIRA 16:7)

1. Iz gospital'noy khirurgicheskoy kliniki (nachal'nik prof. I.S.Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova. Adres avtorov: Leningrad, Botkinskaya ul., d.23, Gospital'naya khirurgicheskaya klinika Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

(LUNGS--SURGERY)

(BLOOD--CIRCULATION, DISORDERS OF)

KOLESNIKOV, I.S.; YERMOLAYEV, V.R.; SOKOLOV, S.N.; MEZHEVIKIN, N.I.

Resection of the basal segments of the lungs. Grud, khir. 5
no. 5:46-51 S-0 '63. (MIRA 17:8)

1. Iz kafedry gospital'noy khirurgii (nachal'nik - prof. I.S. Kolesnikov) Voyenno-meditsinskoy ordona Lenina akademii imeni Kirova. Adres avtorov: Leningrad K-9, Botkinskaya ul., d.23, Klinika gospital'noy khirurgii Voyenno-meditsinskey ordona Lenina akademii.

KOLESNIKOV, I.S.; ORDZHONIKIDZE, G.K.; SHELYAKHOVSKIY, M.V.; YERMOLAYEV, V.R.
YAKUTOVSKIY, F.I.

Adenoma of the bronchi, their complications and operative treatment. Grud. khir. 5 no.6:101-106 N-D'63 (MIRA 17:2)

1. Iz kliniki gospital'noy khirurgii (nachal'nik - prof. I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova. Adres avtorov: Leningrad K-9, Botkinskaya ul., d.23. Klinika gospital'noy khirurgii Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

KOLESNIKOV, I.S., prof.; YERMOLAYEV, V.R.; kand. med. nauk; SOKOLOV, S.N.,
kand. med. nauk

Surgical anatomy and technique of resection of the lingular
segments of the left lung. Vest. Khir. 91 no.12:27-32 D '63.
(MIRA 17:9)

1. Iz 1-y gospital'noy khirurgicheskoy kliniki (nachal'nik-
prof. I.S. Kolesnikov) i kafedry operativnoy khirurgii (nachal'-
nik - prof. A.N. Maksimenkov) Voyenno-meditsinskoy ordena Lenina
akademii imeni Kirova. Adres avtorov: Leningrad, K-9, Botkinskaya
ulitsa, 23, klinika gospital'noy khirurgii Voyenno-meditsinskoy
ordena Lenina akademii imeni Kirova.

KOLESNIKOV, I.S., prof.; SHELYAKHOVSKIY, M.V., dotsent

Late results of surgical treatment of lung cancer. Khirurgia 40 no.4:63-67 Ap '64
(MIRA 18:1)

1. Kafedra gospital'noy khirurgii (nachal'nik - prof.
I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii
imeni S.M. Kirova, Leningrad,

KOLESNIKOV, I.S., prof.; YERMOLAYEV, V.R.; SOKOLOV, S.N.; MEZHEVIKIN, N.I.

Resection of the mediobasal segment of the lung. Vest. khir.
92 no. 4:16-21 Ap '64

(MIRA 18:1)

1. Iz gospital'noy khirurgicheskoy kliniki (nachal'nik - prof. I.S. Kolesnikov) i kafedry operativnoy khirurgii i topograficheskoy anatomii (nachal'nik - prof. A.N. Maksimenkov) Voyenno-medicinskoy ordena Lenina akademii imeni S.M. Kirova. Adres avtora Leningrad, K-9, Botkinskaya ul, 23, gospital'naya khirurgicheskaya klinika Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

KOLESNIKOV, I.S., prof., general-major meditsinskoy sluzhby; PUTOV,
N.V., prof., polkovnik meditsinskoy

Treatment of thoracic injuries under conditions of modern warfare.
Voen.-med. zhur. no.7:12-17 '64. (MIRA 18:5)

KOLESNIKOV, Ivan Stepanovich; FUT'V, Nikolay Vasil'yevich;
GREBENNIKOVA, Anna Timofeyevna; KAZNIN, V.P., red.;
SIMONYAN, K.S., red.

[Chronic pericarditides and their surgical treatment]
Khronicheskie perikardity i ikh khirurgicheskoe lechenie.
Moskva, Meditsina, 1964. 225 p. (MIRA 17:7)

KOLESNIKOV, Ivan Stepanovich; PUTOV, Nikolay Vasil'yevich; SOKOLOV,
Sergey Nikolayevich

[Conservative resections of the lungs in tuberculosis] Eko-
nommye rezektsii legkikh pri tuberkuleze. Leningrad, Me-
ditsina, 1965. 239 p. (MJRA 18:4)

KOLESNIKOV, I.S., prof.; GORELOV, F.I., kand. med. nauk

Surgical treatment of chronic empyemas and bronchial fistulas
following pneumonectomy. Vest. khir. 94 no.2:55-60 F '65.
(MIRA 18:5)

1. Iz gospital'noy khirurgicheskoy kliniki (nachal'nik - prof.
I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii
imeni Kirova.

KOLESNIKOV, I.S.; VIKHRIYEV, B.S.; SHCHERBA, B.V.; POSEVIN, D.I.;
PLESHAKOV, V.T.

Differential diagnosis of lung cancer and abscess. Vop.onk. 11
no.11:3-7 '65. (MIRA 19:1)

1. Iz kafedry gospital'noy khirurgii (zav. - laureat Leninskoy premii, chlen-korrespondent AMN SSSR, zasluzhennyy deyatel' nauki RSFSR prof.I.S.Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

KOLESNIKOV, I. T., Engr. Candi. Tech. Sci.

Dissertation: "Water Intake with a Washing Gallery on the Threshold and Spiral Movement of Water in this Gallery." All-Union Sci Res Inst of Hydraulic Engineering and Melioration(??), 5 Feb 47.

SO: Vechernaya Moskva, Feb, 1947 (Project #17836)

KOLESNIKOV, I.T., kandidat tekhnicheskikh nauk.

Sprinkling vegetable crops and potatoes near Magnitogorsk. Gidr.1
mel. 9 no.4:28-34 Ap '57. (MLRA 10:5)
(Magnitogorsk—Sprinkler irrigation)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9

KOLESNIKOV, I.T., kand. tekhn. nauk

IM-30, IM-200 and IM-120 sprinklers. Trakt. i sel'khозmash. no.5:
27-28 My '59. (MIRA 12:6)
(Sprinklers)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9"

KOLESNIKOV, I.T., kand. tekhn. nauk [deceased]

Sprinkler irrigation of vegetables and potatoes in the
Magnitogorsk region. Trudy VNIIQIM 42:104-112 '69.
(MIRA 17:6)

KOLESHIKOV, I.V.

[High yields of watermelons for feeding stuff] Vysokie urozhai
kormovogo arbuzov. Moskva, Ministerstvo sel'skogo khoziaistva SSSR,
1955. folder.
(Melons)

(MLRA 9:9)

KLYUKIN, Igor' Ivanovich; RZHEVKIN, S.N., doktor fiz.-matem. nauk,
prof., retsenzent; KOLESNIKOV, I.Ya., inzh., retsenzent;
ANTSYFEROV, M.S., nauchnyy red.; LEYKINA, T.L., red.;
TSAL, R.K., tekhn. red.

[Controlling noise and sound vibration on ships] Bor'ba s shu-
mom i zvukovoi vibratsiei na sudakh. Leningrad, Gos. soiuznoe
izd-vo sudostroit. promyshl., 1961. 355 p. (MIRA 15:2)

(Ships--Soundproofing)

(Vibration (Marine engineering))

KLYUKIN, Igor' Ivanovich; RZHEVKIN, S.N., doktor fiz.-matem. nauk, prof.,
retsenzent; KOLESNIKOV, I.Ya., inzh., retsenzent; ANTSYFEROV,
M.S., nauchnyy red.; LEYKINA, T.L., red.; TSAL, R.K., tekhn.
red.

[Control of noise and sound vibrations on ships] Bor'ba s shu-
mom i zvukovoi vibratsiei na sudakh. Leningrad, Sudpromgiz,
1961. 355 p. (MIRA 15:3)
(Noise control) (Vibrations (Marine engineering))

KOLESNIKOV, I.Ye.

Plans for our region. Zashch.rast.ot vred.i bol. 4 no.3:5-7
Ky-Je '59. (MIRA 13:4)

1. Sekretar' Sal'skogo rayonnogo komiteta kommunisticheskoy
partii Sovetskogo Soyuza.
(Sal'sk District--Plants, Protection of)

KOLESNIKOV, K. D., Cand Tech Sci -- (diss) "Investigation of factors effecting the efficiency of circuits with inductive and mutually inductive transformers of low variation in the settled state." Kiev, 1960. 21 pp with charts; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Kiev Order of Lenin Polytechnic Inst); 170 copies; price not given; (KL, 51-60, 118)

KOLESNIKOV, Konstantin Dm. TRIYEVICH

69196

13.4000

S/144/60/000/01/013/019
E192/E182

AUTHOR: Kolesnikov, K.D., Assistant

TITLE: Conversion-Quality Criteria for the Circuits with
Inductive and Mutual-Inductive Transducers of Small
Displacements Employing Moving Cores

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Elektromekhanika, 1960, Nr 1, pp 110-119 (USSR)

ABSTRACT: An inductive or mutual-inductive displacement transducer with a moving core consists of: (1) a supply source, (2) a magnetic circuit, and (3) an electric circuit. The input quantity of the magnetic circuit is the displacement $\Delta\delta$ of the mechanical transducer, while the output is in the form of magnetic conductances G_{M1} and G_{M2} for the magnetic flux which passes through two branches of differential magnetic systems. The output of the electrical portion of the equipment is a voltage u_H or the power P_H developed across a load impedance Z_H . In the following the supply circuit of the transducer (see Fig 1) is disregarded, since it does not affect the overall performance of the system. The conversion performance of the inductive or mutual-

Card
1/5

69196

5/14/60/000/01/013/019

E192/E182

Conversion-Quality Criteria for the Circuits with Inductive and Mutual-Inductive Transducers of Small Displacements, Employing Moving Cores

inductive transducers depends on the parameters of the coils. In turn some of these depend on the displacement of the cores. The change of the impedance of a coil as a function of the core displacement can be expressed by:

$$\Delta Z_L = j\omega L_0 \frac{\epsilon_1}{1 - \epsilon_1} \quad (3)$$

On the other hand for a mutual inductive transducer the change on the impedance is given by:

$$\Delta Z_M = j\omega M_0 \frac{\epsilon_1}{1 - \epsilon_1} \quad (4) \checkmark$$

In the above equations the quantities L_0 and M_0 can be determined from Eqs (1) and (2) for $\delta = \delta_0$, where δ_0 is the nominal gap of the transducer; the quantity $\epsilon_1 = \epsilon/(1 + C_0)$, where $\epsilon = \Delta\delta/\delta_0$ and represents the relative displacement of the moving core. The quantity C_0 can be determined from Eq (5). The

69196

S/144/60/000/01/013/019
E192/E182

Conversion-Quality Criteria for the Circuits with Inductive and Mutual-Inductive Transducers of Small Displacements Employing Moving Cores

notation in Eqs (1) and (2) is as follows: C is the relative loss of the magnetic potential in metal and non-operative gaps; w is the number of turns in the inductance coils; while w_1 and w_2 are the number of turns in the primary and secondary of mutual inductive coils. The quality criteria characterizing the performance of the transducers can be as follows:
(1) η_u , which represents the non-linearity of the voltage characteristics across the load, (2) η_ϕ , the change of the complex load voltage as a function of the displacement of the core, (3) η_{cx} , which is the coefficient representing the ratio of the power supplied to the load to the power applied to the system, (4) η_d , representing the ratio of the power across the load to the power lost in coils and magnetic circuits, (5) k_u , the voltage conversion coefficient representing the ratio of the load voltage to the input voltage,

Card
3/5

69196

27144/60/000/01/013/019
E192/E182

Conversion-Quality Criteria for the Circuits with Inductive and Mutual-Inductive Transducers of Small Displacements Employing Moving Cores

(6) k_F , the transducer efficiency coefficient,
(7) r_ω , the error of the system due to frequency variations, and (8) r_T , the error of the system due to temperature changes. These quality coefficients for the bridge circuits with differential inductive transducers are indicated in Table 1. The quality coefficients for the transducer circuits of Fig 4 are indicated in Table 2. The values of the input and output reactances of the bridge and differential circuits of Fig 5, which give the optimum values of the quality coefficients, are indicated in Table 3. On the basis of the above analysis it is concluded that, since all the quality coefficients of the transducers depend on the inductances of the system, it is possible to increase their efficiency by introducing compensating capacitances both at the input and the output terminals. The frequency and temperature stabilization of the transducers can be realised by introducing a capacitance and

Ques 4/5

6919 6

S/144/60/000/01/013/019
E192/E182

Conversion-Quality Criteria for the Circuits with Inductive and Mutual-Inductive Transducers of Small Displacement Employing Moving Cores

a thermally dependent resistance with a negative coefficient into the supply terminal. In the same way it is possible to linearise the output voltage characteristic. The formulae derived are used to analyse the bridge circuit of Fig 4a.

There are 5 figures, 3 tables and 8 Soviet references.

ASSOCIATION: Kafedra avtomaticheskikh i izmeritel'nykh ustroystv,
Kuybyshevskiy industrial'nyy institut
(Chair of Automatic and Metering Devices, Kuybyshev
Industrial Institute)

RECEIVED: Card 5/5 July 31, 1959

1. KOLESNIKOV, K. S.
 2. USSR (600)
 4. Strains and Stresses
 7. Determining the displacement in a closed, torus-shaped shell with inner stresses, Inzh. sbor., No. 12, 1952.
-
9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

KOLESNIKOV, K.S.

Determination of side forces and stabilizing factors of automotive
tires. Avt. trakt. prom. no.12:12-13 D '53. (MLRA 6:12)
(Tires, Rubber)

KOLESNIKOV, Konstantin Sergeyevich; LEVANTOVSKIY, V.I., redaktor; GAVRILOV, S.S., tekhnicheskij redaktor

[Shimmy in automobile front wheels] Avtokolebaniia upravliaemykh koles avtomobilia. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 238 p.
(Vibrations) (Automobiles--Wheels)

KOLESHNIKOV, K.S. (Moscow)

Motion stability of automobile steering wheels. Inzh.sbor. no.21:
32-42 '55.

(MLRA 8:11)

(Automobiles--Wheels)

KOLESNIKOV, K.S., kandidat tekhnicheskikh nauk.

Shimmy in the wheels of an automobile at high speeds.
[Trudy] MVTU no.46:154-167 '55. (MLRA 9:4)
(Automobiles--Wheels--Vibration)

KOLESNIKOV, K.S., kandidat tekhnicheskikh nauk.

Stability of movement of the front wheels of an automobile.
[Trudy] MVTU no.61:20-41 '55. (MLRA 9:6)
(Automobiles--wheels)

KOLESNIKOV, K.S.

21(0); 25(2) PHASE I BOOK EXPLOITATION 30/237

Moscow, Vysshiee tekhnicheskoye uch. i zinche. izdat. M.I. Rastanina
Nauchnoe proizvodstvo i nauchno-tekhnicheskoye obshchestvo
Strengtch i mehanicheskoye [obshchestvo] Design for
Strengtch in Mechanical Engineering; Collection of Articles
Moscow, Mekhnik, 1950. 244 p. (Series: Ita: [Trudy] 89)

Ed.: O.A. Khokhlov, Doctor of Technical Sciences, Professor;
D. G. Chernyayev, Doctor of Technical Sciences, Professor;
A.I. Chernyayeva, Tech. Ed.; B.I. Model, Managing Ed.;
Literature on Heavy Machine Building (Kazhdia); S.M. Golovin,
Engineer.

PURPOSE: This collection of articles is intended for engineering staffs
in the machine-building industry and may be useful to scientific
workers and senior students of technical engineering institutes.

Coverage: The articles cover the graphoanalytical method of
designing circular symmetrically loaded reinforced plates,
methods of designing rotating heated disks for transverse bending,
and calculation of preloaded Belleville springs. Also discussed
are differential equations for deformation of rubber-cord shells
of rotation, the theory of cleavage of rubber-cord shells, and
stability problems of elastic cylindrical shells; results of
experimental investigations of strength and ductility of
constructional steels and other materials. Several
articles are devoted to problems of vibrations in machinery.
There are 78 references, 72 in Russian, 2 English, and
1 French.

Konushko, Z. M., Candidate of Technical Sciences, Docent.
Construction of Stress-Strain Diagrams for Shear of Brittle
Materials Based on Results of Tension and Compression Tests
A method is described for obtaining stress-strain diagrams
for shear from stress-strain diagrams for tension and
compression of materials with different characteristics in
tension and compression. Results of experiments are compared
with theoretical conclusions.

Bilimuk, S.I., Candidate of Technical Sciences, Docent.
Calculation of Free Vibrations in a Four-column Frame. 210
Method for determining the fundamental natural frequency
of a four-column press, allowing for variable cross-sections of the
foundation is discussed. The formulae derived can also be
used for cases of very rigid foundations by putting the
coefficient of soil compressibility equal to zero.

Kolesnikov, K.S., Candidate of Technical Sciences, Docent.
Determination of Oscillations in the Case of Vibration of Their Supports
A method is presented for determining the deflection of
variable cross-section beams subjected to forced vibrations
arising from the periodic action of supports. 226

Dzhelilov, V.N., Engineer. Determination of Basic Premises for
Forced Motion. 234
The paper presents a method for checking whether the forced
motion analyzed is in accordance with the initial assumptions
used for the theoretical solution. The possibility of
deviations of existing conditions from initial assumptions
is discussed.

AVAILABLE: Library of Congress

00/237
0-23-39

Card 0/8

characteristic is linear. It is found that, under load,
a linearisation of the arrangement is impossible. The
Card 1/2 dynamic properties including damping are derived. It

24-2-15/28

Contribution to the theory of the hydraulic servomotor without feedback.

is shown that, to reduce the time constant at the same gain, the maximum speed of the servomotor must be reduced. There are three figures and 1 Russian reference.

SUBMITTED: November 16, 1957.

AVAILABLE: Library of Congress.

Card 2/2

L 20135-63

EPA(b)/EWT(1)/BDS AEDC/AFFTC/ASD/AFMDC Pd.4

ACCESSION NR: AP3004803

S/0179/63/000/004/0102/01C7

AUTHOR: Kolesnikov, K. S. (Moscow)*HB*

TITLE: Forced oscillations of an ideal compressible fluid flow inside a uniform straight tube

SOURCE: AN SSSR. Izv. Otd. tekhn. nauk. Mekhanika i mashinostroyeniye, no. 4, 1963, 102-107

TOPIC TAGS: forced oscillation, fluid dynamics, compressible fluid

ABSTRACT: Forced oscillation of a fluid flow may be caused by the pressure oscillations within the reservoir. These oscillations may be amplified or damped; the analysis of the stability of closed-system oscillations must therefore, begin by the study of the dynamic amplification coefficients and the phase relations between the driving force and the flow parameters at the exit from the tubes. The author presents the solutions for the one-dimensional perturbed motion of an ideal compressible fluid through a straight tube together with the transfer function for the variations in discharge and pressure. It was convenient to obtain solutions without expanding the forced oscillations

Card 1/2

L 20135-63

ACCESSION NR: AP3004803

through the eigenfunctions of the system. It is shown that resistances at the ends of the tube cause a decrease in the intensity of resonant effects proportional to the increase in velocity of the unperturbed flow. The maximum dynamic coefficient for the variations in discharge from a tube into a chamber turns out to be one. The author extends some of the results to the case of an elastic tube and discusses the case with parameters which cover most of the technical applications. Orig. art. has: 4 figures and 28 equations.

ASSOCIATION: none

SUBMITTED: 04Mar63

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: AI

NO REF SOV: 003

OTHER: 001

Card 2/2

KOLESNIKOV, K.S. (Moskva)

Forced fluctuations of the injection of an ideal compressible fluid
into the chamber. Izv.AM SSSR.Mekh. i mashinostr. no.5:108-116
S-0 '63. (MIRA 16:12)

KOLESNIKOV, K.S. (Moskva)

Forced vibrations of an ideal compressible fluid flow in a straight
pipe. Izv.AN SSSR, Mekh. i mashinostr., no.4;102-107 J1-Ag '63.
(MIRA 17:4)

REF ID: A65013302

UR/0207/65/000/002/0119/0130

Lesnikov, K. G. (Moscow)

- Frequency instability in the design regime of a liquid rocket engine

Vestn. prikladnoy mekhaniki i tekhnicheskoy kibernetiki, no. 2, 1965, 119-130

Instability, low frequency instability, rocket engine, combustion stability

Stability analyses by Summerfield, Clegg, and Dubensky show predominantly frequency instabilities connected with fuel injection or fuel transformation. Stability of a liquid rocket engine also depends on the kinematic properties of the frame which can be varied.

APPENDIX C

The stability mode is determined by the wave propagation in the fuel line surface. The transfer functions for the system consisting of the oxidizer feed line (a tube leading from the pump to the injector), the combustion chamber, and the nozzle are plotted. The effect of instabilities on the system is discussed.

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810010-9

The effect of the feed line and of pump cavitation on instability are considered. 23 formulas and 7 figures.

(PV)

SUBMITTED: 07 Dec 69

ENCL: 00

MR CODE: PR

105

OTHER: 008

ATTD PRESS: 4012

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810010-9"

L 29111-66 EWT(h)/EWT(m)/T-2/EWP(r) JW/JW/JT
ACC NR: AP6019389

SOURCE CODE: UW/0007/65/ccc/ccc/0119/0130

AUTHOR: Kolesnikov, K. S. (Moscow)

62
B

ORG: none

TITLE: Low frequency instability in the nominal operating conditions of a liquid-fuel rocket motor

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 2, 1965, 119-130

TOPIC TAGS: rocket engine, liquid fuel propellant system, automatic control theory

ABSTRACT: An analysis of unstable operation in liquid-fuel rocket motors. It is pointed out that, in practice, cases may arise when the natural frequencies of the wave processes in fuel lines may be in the same order or lower than the oscillations in the combustion chamber whose frequency is determined by the total fuel conversion time. If the characteristic frequencies of the rocket body or test stand are also in the same range, they take on extra importance. An expansion of the concept of the low frequency unstable motor is presented. A closed system can be unstable even if the burning delay time in the chamber is zero. The frequency of this type of instability is determined by the propagation time of the elastic wave traveling through the fuel line and back through the "feedback" of the rocket body. Delay time in the

Card 1/2

L 29111-66

ACC NR: AP6019389

chamber changes the phase relations in this case, or may excite the initial instability oscillations. The dynamic system consists of individual elements, determination of the parameters of which is a very complex question. The fuel line transfer functions are produced in a form so that their contact with the body is complete. The solution is presented in linear form, the properties of the transfer functions of individual elements and the entire system are analyzed with frequency methods from the theory of automatic control. Orig. art. has: 11 figures and 27 formulas. Page 7

SUB CODE: 21, 13 / SUBM DATE: 07Oct63 / ORIG REF: 006 / OTH REF: 007

Card 2/2 CC

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9

KOLESNIKOV, L. A.

KOLESNIKOV, L. A. - "Nonlinear bending of bars and sheets." Khar'kov, 1955. Min. Higher Education Ukrainian SSR. Khar'kov Construction Engineering Inst, Chair of Construction Mechanics. (Dissertations for degree of Candidate of Technical Sciences.)

SC: Knizhnaya letopis', No 48. 26 November 1955. Moscow.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000723810010-9"

24.4100

67075

SOV/124-59-1-806

Translation from: Referativnyy zhurnal. Mekhanika, 1959, Nr 1, p 117 (USSR)

AUTHOR: Kolesnikov, L.A.

TITLE: Approximate Method for Determination of the Critical Force in an Eccentrically Compressed Simply Supported Rod Being in the Elastic-Plastic State

PERIODICAL: Tr. Khar'kovsk. inzh.-stroit. in-ta, 1957, Nr 5, pp 111-114

ABSTRACT: The essence of the method suggested consists in the following: the form of bending is considered as given, the unknown coefficient is expressed through the curvature in the middle cross-section in such a manner that the external bending moment in the middle cross-section proves to be a linear function of the unknown curvature k_{av}

$$M = P (a + b k_{av}).$$

Considering as given the value of the curvature in the middle cross-section and the value of the average deformation e_0 , the linear deformations can be found by the formula

$$e = e_0 + k z,$$

Card 1/2

wherein the curvature in the considered cross-section linearly depends on

SOV/147-58-3-4/18

AUTHOR: Kolesnikov, L.A.**TITLE:** On the Investigation of Stresses in the Longitudinal Elements of Thin-Walled Frameworks (Issledovaniyu napryazheniy v prodol'nykh elementakh tonkostennykh karkasirovannykh konstruktsiy)**PERIODICAL:** Izvestiya Vysshikh Uchebnykh Zavedeniy, Aviatsionnaya Tekhnika, 1958, Nr 3, pp 25-33, (USSR)**ABSTRACT:** The bending equations are formulated taking into account the exact expression for the curvature. Hence, if necessary, not only small but finite displacements can be investigated. The equations are written for the latter but the simplifications for the case of small displacements are indicated. The equations are solved by the numerical method of successive approximations which allows an evaluation of the error of the solution. The method is illustrated by means of an example of the calculation for a beam under compression in a twin-boomed girder with a thin wall. Comparison is made between theoretical calculation and experiment. In conclusion the following points are made: 1) the calculations agree

Card 1/2

SOV/147-58-3-4/18

On the Investigation of Stresses in the Longitudinal Elements of
Thin-Walled Frameworks

well with the experimental results; 2) the programme of the calculations is simple and convenient for use in computers; 3) if a moment calculation is not made and in static experiments there are visible non-linearities in the graph of stress against vertical force for certain longitudinal elements of a thin-walled structure, then such elements must be checked by calculation or by more careful placing of the tensometers. There are 6 figures and 6 Soviet references.

ASSOCIATION: Kharkovskiy Aviatsionnyy Institut, Kafedra Prochnosti
(Kharkov Institute of Aeronautics, Chair of Strength of Materials)

SUBMITTED: 10th February 1958.

Card 2/2

PAGE 2 BOOK EXPENDITURE	20V/4521
Akademicheskaya [book]. Institut mehaniki.	200
Zashchitnye oborony, tom 26 [Industrialskie dispositivov], vol. 26] [Novosibirsk, 1990.]	200
Operating Agency: Akademicheskaya nauchno-tekhnicheskaya banka.	
Patent mehanika.	
Serj. N. A. A. Tlyukhajev Bl.: G. I. Rabotinov. Dok. Ns.: B. M. Lerner.	
NOTES: This book is intended for engineers.	
CONTENTS: The book contains 20 articles dealing with practical work performed by mechanical engineers, such as the calculations of shells, rods, and plates, and solutions of problems in stress distribution and equilibrium, oscillations (including flutter), local deformation of shells, equilibrium of shell panels, rods and plates, stability of rods, plates, frames and other members, shells, concentrations, and boundary conditions. Oscillations of discrete plates are studied. References accompany each article.	200
Slagov, B. F. [Review]. Composition of an Elastic Plate Layer [Received on 6/17/1950].	200
Sargin, E. S. [Review]. Periodic of a Rectangular Plate Under a Local Static Load With Periodic Boundary Conditions [Received on 2/2/1956].	199
Polyakov, Yu. V. [Review]. Certain Problems Associated With the Calculation of Plastics Plates [Review of: Distribution of Stress in Plates [Received on 6/20/1952]].	200
Izobraz. 12. [Review]. Plastic Distribution of Stress in Plates [Received on 6/20/1952].	200
Dobrovol'skii, V. P. [Review]. Determination of Supporting Power of Plates [Received on 12/24/1954].	205
Khavinson, Ya. A. [Review]. Numerical Method of Determining Approximate Solutions for Determining Plate Displacements of Uniform Elastic Body Under a Complex Load [Received on 10/2/1956].	200
Khavinson, Ya. A. and V. N. Danilevsky [Review]. Stability and Oscillation of Plates For Deformations [Received on 4/1/1957].	200
Mikhlin, S. L. [Review]. Numerical Calculations of Bimaterial Plates [Received on 7/2/1959].	200
Khavinson, Ya. A. [Review]. Numerical Modeling of a Prismatic Cantilever Subjected to a Triangular Static Load in a Plane Symmetric Plane of Symmetry [Received on 2/9/1958].	270
Khavinson, Ya. A. [Review]. Certain Generalizations of V. T. Vladov's Oscillation Theory of Multi-Section Rods [Received on 2/4/1955].	270
Petrov, A. A. [Review]. Orthogonal Polynomials With Arbitrary Roots [Received on 1/2/1950].	200
Khavinson, Ya. A. [Review]. On Prosthesis Concerning Internal Resistance Relative to Oscillations of Elastic Systems [Received on 5/24/1952].	205
AVAILABILITY: Library of Congress	

KOLESENNIKEV, L.A.

KOLESNIKOV, L.A. [Kolesnikov, L.O.] (Khar'kov)

Investigating large deflections of a beam in the elastic plastic stage. Frykl.mekh. 4 no.3:317-325 '58. (MIRA 13:8)

1. Kharikovskiy aviationsionnyy institut.
(Elastic rods and wires)

VINOKUROV, Lev Pinkhusovich; KOLESNIKOV, L.A., kand. tekhn. nauk, retsenzent; CHERKASOV, A.P., kand. tekhn. nauk, retsenzent; ALEKSEYEV, Yu.N., kand. tekhn. nauk, retsenzent; KAN, S.N., prof., doktor tekhn. nauk, otv. red.; KURILLOVA, T.M., red.; SMILYANSKAYA, T.M., tekhn. red.

[Structural mechanics of rod systems; theory of the deformation of rod systems] Stroitel'naia mekhanika sterzhnevikh sistem; teoriia deformirovaniia sterzhnevikh sistem. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.N.Gor'kogo. Pts. 2-3. 1961. 198 p. (MIRA 14:11)
(Beams and girders)

244200
10.7000

24527

S/147/61/000/002/006/015
E031/E113

AUTHOR: Kolesnikov, L.A.

TITLE: The construction of diagrams for the limiting bending moments in the calculation of continuous and thin-walled frameworks

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Aviatsionnaya tekhnika, 1961, No.2, pp. 59-66

TEXT: Methods published by V.N. Belyayev and V.I. Yukharin (Ref.1: Trudy TsAGI, No.428, 1939) and A.Yu. Romashevskiy (Ref.2: Trudy TsAGI, No.624, 1947) for calculations of thin-walled and continuous frameworks lead to heavy computation but the absence of an algorithm for the construction of successive approximations in determining the neutral axis does not permit the use of a digital computer. The present paper gives a method of constructing vector diagrams or tables for the limiting bending moments from which the strength of sections under given loadings, the load-carrying capabilities and the safety factor for the given loading may be determined. The calculation is based on experimental stress-strain diagrams and is adaptable for digital computation. X

Card 1/3